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UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 9772-0332-999 Total Pages

First Named Inventor or Application Identifier

Barroso et al.

Express Mail Label No. EL 452 482 088 US

S-PTO-1050
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10/02**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

1. <input checked="" type="checkbox"/> Fee Transmittal Form <i>Submit an original, and a duplicate for fee processing</i>	6. <input type="checkbox"/> Microfiche Computer Program (Appendix)
2. <input checked="" type="checkbox"/> Specification <i>(preferred arrangement set forth below)</i>	7. <input type="checkbox"/> Nucleotide and/or Amino Acid Sequence Submission <i>(if applicable, all necessary)</i>
[Total Pages 72]	
-Descriptive title of the Invention -Cross Reference to Related Applications -Statement Regarding Fed sponsored R&D -Reference to Microfiche Appendix -Background of the Invention -Brief Summary of the Invention -Brief Description of the Drawings <i>(if filed)</i> -Detailed Description of the Invention (including drawings, <i>if filed</i>) -Claim(s) -Abstract of the Disclosure	
3. <input checked="" type="checkbox"/> Drawing(s) <i>(35 USC 113)</i>	8. <input checked="" type="checkbox"/> Assignment Papers (cover sheet & document(s))
4. <input checked="" type="checkbox"/> Oath or Declaration (executed)	9. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input type="checkbox"/> Power of Attorney <i>(when there is an assignee)</i>
[Total Sheets 29]	
a. <input checked="" type="checkbox"/> Newly executed (original or copy) b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) <i>(for continuation/divisional with Box 17 completed)</i> <i>[Note Box 5 below]</i>	
i. <input type="checkbox"/> <u>DELETION OF INVENTOR(S)</u> Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33 (b).	
5. <input type="checkbox"/> Incorporation By Reference <i>(useable if Box 4b is checked)</i> The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.	10. <input type="checkbox"/> English Translation Document <i>(if applicable)</i>
11. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations	
12. <input type="checkbox"/> Preliminary Amendment	
13. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) <i>(Should be specifically itemized)</i>	
14. <input type="checkbox"/> Applicant claims Small Entity status, see 37 C.F.R. § 1.27	
15. <input type="checkbox"/> Certified Copy of Priority Document(s) <i>(if foreign priority is claimed)</i>	
16. <input type="checkbox"/> Other:	

17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information:

 Continuation Divisional Continuation-in-part (CIP) of prior application No: 09/878,982 filed June 11, 2001 (claiming priority of US provisional application 60/210,675, filed June 10, 2000).

18. CORRESPONDENCE ADDRESS

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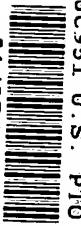
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PENNIE & EDMONDS LLP
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 Palo Alto, CA. 94304

ATTORNEY DOCKET NO. 9772-0332-999Date: January 7, 2002

Assistant Commissioner for Patents
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Sir:

The following utility patent application is a continuation-in-part of U.S. patent application 09/878,982, filed June 11, 2001, which claims priority on U.S. provisional patent application 60/210,675, filed June 10, 2000:

Applicant(s): Gharachorloo et al.

Executed on: January 7, 2002

Title of Invention: SYSTEM FOR MINIMIZING DIRECTORY INFORMATION IN SCALABLE MULTIPROCESSOR SYSTEMS WITH LOGICALLY INDEPENDENT INPUT/OUTPUT NODES

PATENT APPLICATION FEE VALUE

TYPE	NO. FILED	LESS	EXTRA	EXTRA RATE	Fee
Total Claims	37	-20	17	\$18.00 each	\$ 306.00
Independent	4	-3	1	\$84.00 each	\$ 84.00
				Minimum Fee	\$ 740.00
				Multiple Dependency Fee If Applicable (\$280.00)	\$ 0.00
				Total	\$ 1,130.00
					\$ 0.00
				Total Filing Fee	\$ 1,130.00

DO NOT PUBLISH. I hereby certify that the invention disclosed in the attached application has not and will not be the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing. I hereby request that the attached application not be published under 35 U.S.C. 122(b).

Also enclosed are:

XX 29 sheets of formal drawings;
 XX 3 Declarations; and
 XX Assignments with Recordation Cover Sheet.

Please charge the required fee to Pennie & Edmonds LLP Deposit Account No. 16-1150 (9772-0332-999). A copy of this sheet is enclosed.

Respectfully submitted,

31,066

Gary S. Williams

(Reg. No.)

PENNIE & EDMONDS LLP

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